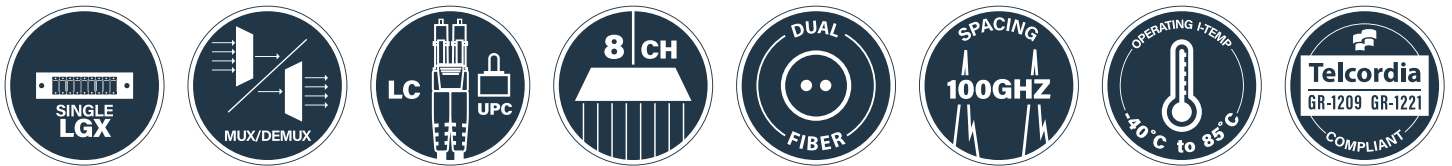
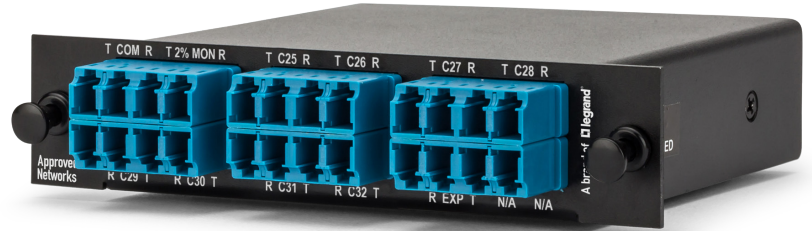


Features:

- 8 Channel DWDM Dual Fiber Mux/Demux + EXP, No Skip
- Channel Wavelengths: DWDM CH. 25 - CH. 32 + EXP
- Channel Spacing: 100GHz
- Maximum Optical Power: 300mW
- Connector Type - All Ports: LC/UPC
- Reliability: Telcordia GR-1209, GR-1221
- Operating Temperature: -40 to 85°C
- Storage Temperature: -40 to 85°C
- Dimensions: 100mm x 100mm x 28.5mm
- Faceplate: 130mm



1. Optical Requirements

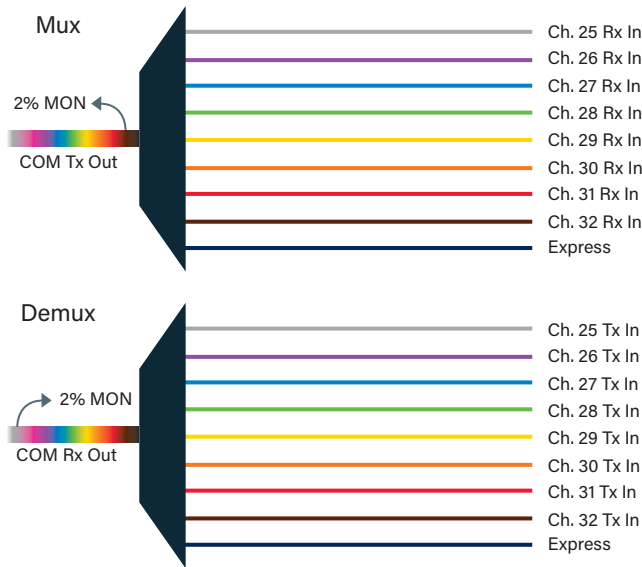
Parameter	Value
Passband, DWDM Channel Ports (@-0.5 dB)	ITU ≥ 25GHz
Passband, DWDM Channel Ports (@-3.0 dB)	ITU ≥ 60GHz
Passband, Express Port (Min.)	1500nm - 1600nm (Excludes: CH. 25 - CH. 32)
Passband Ripple (Max.)	≤ 0.5dB
Isolation, Adjacent Channel - DWDM (Min.)	≥ 30dB
Isolation, Non-Adjacent Channel - DWDM (Min.)	≥ 40dB
Isolation, Express Channel (Min.)	≥ 12dB
Return Loss - All Ports (Min., Including Connectors)	≥ 45dB
Directivity - DWDM Ports (Min.)	≥ 50dB
Polarization Dependent Loss (Max.)	≤ 0.2dB
Polarization Mode Dispersion (Max.)	≤ 0.2ps

2. Insertion Loss

Parameter	Value
DWDM Insertion Loss (Typ., Incl. Connectors)	2.6dB

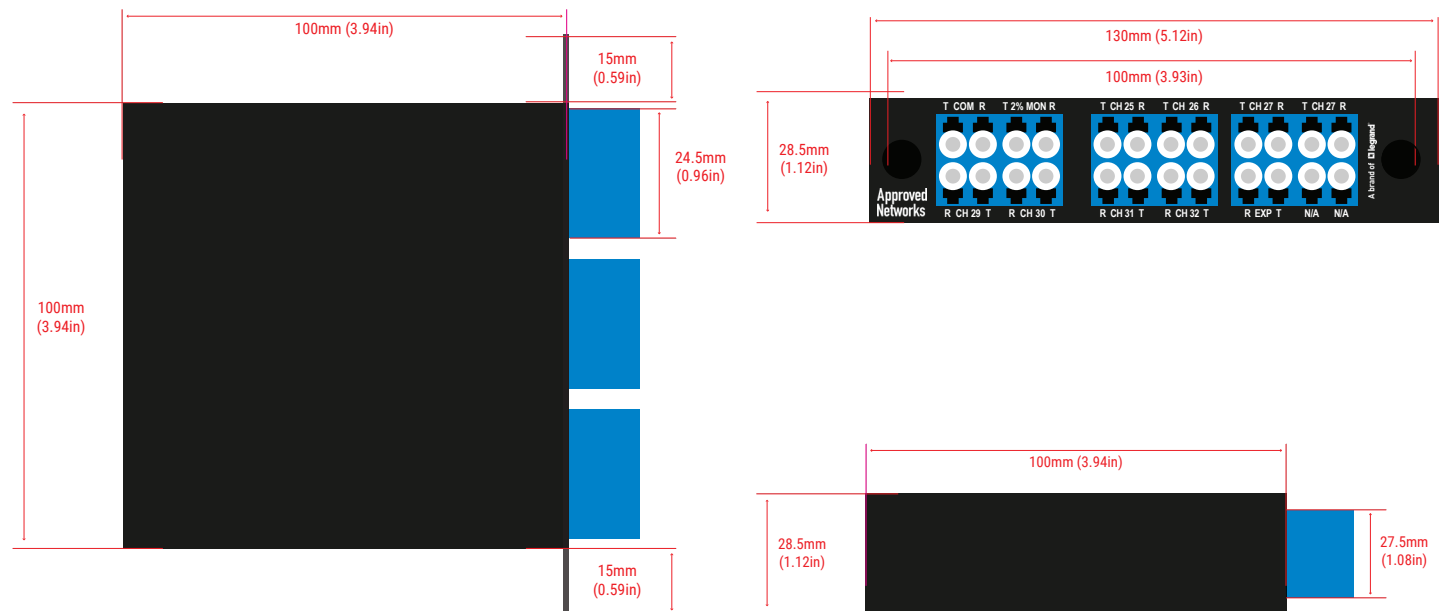
DWDM Insertion Loss (Max., Incl. Connectors)	≤ 2.8dB
Express Insertion Loss (Typ., Incl. Connectors)	2.3dB
Express Insertion Loss (Max., Incl. Connectors)	≤ 2.5dB
MON Port Insertion Loss (Max., Incl. Connectors)	≤ 21.8dB Mux/19.0dB Demux

3. Network Diagram



Channel	Mux		Demux	
	Typ. (dB)	Max. (dB)	Typ. (dB)	Max. (dB)
Ch. 25	1.1	1.2	2.6	2.8
Ch. 26	1.3	1.5	2.4	2.6
Ch. 27	1.6	1.8	2.2	2.4
Ch. 28	1.8	2.0	2.0	2.2
Ch. 29	2.0	2.2	1.8	2.0
Ch. 30	2.2	2.4	1.6	1.8
Ch. 31	2.4	2.6	1.3	1.5
Ch. 32	2.6	2.8	1.1	1.2
EXP	2.3	2.5	2.3	2.5

4. Mechanical Diagram



5. Ordering Information: Module

Root SKU	Part Number	Description
D1C08LC250800B0	ZS-DWDM-M/D-100-8-L-8-0-25-L	DWDM 100GHz spacing, M/D, TFF (I-Temp), 8 CH Skip 0, LC/UPC, CH 25 Start, MON 2% M/D LGX, Standard EXP

6. Ordering Information: Mounting Options

LGX Chassis



Part Number	Description	Dimensions	LGX Slots
ZS-LGX3R-14S-CHASSIS-1923	LGX 3RU Chassis For 14 LGX Modules And Fiber Mgmt. - 19 Or 23" Rack	Fits 19" Or 23" Rack x 3RU	14



Part Number	Description	Dimensions	LGX Slots
ZS-LGX1R-3S-CHASSIS-1923	LGX 1RU Chassis For 3 LGX Modules And Fiber Mgmt. - 19 Or 23" Rack	Fits 19" Or 23" Rack x 1RU	3

LGX Faceplate



Part Number	Description	Dimensions	LGX Slots
LGX1R-FACEPLATE	1RU Faceplate 19" With 3 LGX Slots For Passives	Fits 19" Rack x 1RU	3

Magnetic "C" Bracket



Part Number	Description	Dimensions	LGX Slots
LGX-2U2L	2RU Magnetic Bracket With 2 LGX Slots For Passives	5.28" x 3.94" x 2.44"	2

7. Contact Information

Tel: 800.590.9535

Web: <http://www.approvednetworks.com>